

50103-426/STL 3067

HEAT-TRANSFER-STAMP PROCESS  
FOR THERMAL IMPRINT  
LITHOGRAPHY

**ABSTRACT OF THE DISCLOSURE**

- A method of performing thermal imprint lithography of a surface of a thermoplastic layer-coated workpiece for forming a pattern therein comprises pre-heating the workpiece to a pre-selected high temperature prior to inserting the workpiece in a stamping/imprinting tool maintained at a predetermined
- 5 lower temperature, whereby the interval for thermal cycling of the stamping/imprinting tool between higher and lower temperatures is eliminated or at least reduced. Applications of the method include forming servo patterns in disk-shaped substrates for hard disk recording media.